



PATENT

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Date: 12-3-2004
By: Patricia Wiggins

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REVOCATION AND SUBSTITUTION OF POWER OF ATTORNEY

Dear Sir:

I hereby revoke all previous powers of attorney or authorizations of agent given in the patent applications listed below and any continuations or divisionals thereof. I hereby appoint All Practitioners at Customer Number 08933 to prosecute all applications listed below and any continuations or divisionals thereof and to transact all business in the United States Patent and Trademark Office connected therewith.

I hereby appoint the following additional attorneys, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Chien Chou
Simon Lu

Registration Number: 41,672
Registration Number: 51,974

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All telephone calls for all applications listed below should be addressed to Steven E. Koffs at
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CERTIFICATE UNDER 37 CFR 3.73(b)

Taiwan Semiconductor Manufacturing Co., Ltd., a Corporation

(Name of Assignee)(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is the assignee of the entire right, title and interest in the patent applications identified below by virtue of an assignment from the inventor(s) of the patent applications:

Serial No.	Filing Date	Assignment Information
09/571,373	05/15/2000	Assignment recorded in the Patent and Trademark Office at Reel 010812, Frame 0451
09/809,830	03/19/2001	Assignment recorded in the Patent and Trademark Office at Reel 011674, Frame 0521
09/934,549	08/23/2001	Assignment recorded in the Patent and Trademark Office at Reel 012131, Frame 0136
09/989,803	11/20/2001	Assignment recorded in the Patent and Trademark Office at Reel 012319, Frame 0654
10/038,389	01/03/2002	Assignment recorded in the Patent and Trademark Office at Reel 012510, Frame 0398
10/055,095	01/23/2002	Assignment recorded in the Patent and Trademark Office at Reel 012566, Frame 0922
10/176,857	06/21/2002	Assignment recorded in the Patent and Trademark Office at Reel 013034, Frame 0776
10/207,546	07/29/2002	Assignment recorded in the Patent and Trademark Office at Reel 013145, Frame 0588
10/209,148	07/30/2002	Assignment recorded in the Patent and Trademark Office at Reel 013156, Frame 0977
10/253,293	09/24/2002	Assignment recorded in the Patent and Trademark Office at Reel 013328, Frame 0061

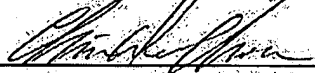
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10/307,675	12/02/2002	Assignment recorded in the Patent and Trademark Office at Reel 013547, Frame 0671
10/671,293	09/25/2003	Assignment recorded in the Patent and Trademark Office at Reel 014554, Frame 0021
10/672,394	09/26/2003	Assignment recorded in the Patent and Trademark Office at Reel 014554, Frame 0213
10/682,052	10/09/2003	Assignment recorded in the Patent and Trademark Office at Reel 012792, Frame 0387
10/696,432	10/29/2003	Assignment recorded in the Patent and Trademark Office at Reel 012510, Frame 0398
10/706,495	11/12/2003	Assignment recorded in the Patent and Trademark Office at Reel 012510, Frame 0398
10/726,104	12/02/2003	Assignment recorded in the Patent and Trademark Office at Reel 013360, Frame 0288
10/767,276	01/29/2004	Assignment recorded in the Patent and Trademark Office at Reel 014944, Frame 0691

The undersigned has reviewed all the documents in the chain of title of the patent applications identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 11/29/2004 By: 
Name: Chien-Wei Chou
Title: Director, Intellectual Property Division